

**BRUHAT BANGALORE MAHANAGARA PALIKE**

Yalahanka ZONE ELECTRICAL DIVISION

**Name of Work:-**Detailed Sub-Estimate for Providing Electrification and Fixtures to Baengalure one building in ward No 7 kodigehalli subdivision.

Budget Head P-1771 Zone works - powerDivision No. .... Estimate No. 03/17-18 For Rs.**44500.00**

|   | Sl.No.      | Description of Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty. | Rate Rs. | Unit | Amount  |
|---|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|---------|
| 1 | 2/1.2.<br>1 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary. 19/20mm dia 2mm thick                                                                                     | 95   | 43.00    | Mtrs | 4085.00 |
| 2 | 2/1.3.<br>1 | Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20mm dia 2mm thick                                                                                                                                                                                                               | 45   | 56.00    | Mtrs | 2520.00 |
| 3 | 3/1.12      | Supplying And Fixing Metal Fan Box with Round Hook.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4    | 92.00    | Nos  | 368.00  |
| 4 | 2/1.5.<br>1 | Supplying and fixing PVC/metal conduit Deep junction box. 19/20mm deep junction box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10   | 47.00    | Nos  | 470.00  |
| 3 | 3/1.6.<br>3 | Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete. 10"x7"x3" (254x178x76mm)                                                                                                                                                                                                                                                                                                                                                   | 2    | 87.00    | Nos  | 174.00  |
|   |             | 4)8"x6"x3" (203x152x76mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4    | 73.00    | Nos  | 292.00  |
|   |             | 1)12"x12"x3" (300x300x76mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1    | 116.00   | Nos  | 116.00  |
| 4 | 5/2.2.<br>1 | Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP B<br>Short point upto 3Mtr from tapping point to out let via switch | 5    | 159.00   | Pts  | 795.00  |

|    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |        |        |         |
|----|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------|---------|
|    |               | Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch                                                                                                                                                                                                                                                                                                                                                                                                   | 4    | 220.00 | Pts    | 880.00  |
|    |               | Long point above 6Mtr upto 10Mtr from tapping point to out let via switch                                                                                                                                                                                                                                                                                                                                                                                                    | 3    | 321.00 | Pts    | 963.00  |
| 5  | 2.6.2         | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm                                                                                                                                                                                                                                               | 150  | 15.90  | Mtrs   | 2385.00 |
|    |               | 3)2.5 sqmm                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 150  | 24.90  | Mtrs   | 3735.00 |
|    |               | 1)1 sqmm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75   | 10.75  | Mtrs   | 806.25  |
| 6  | 17/3.9        | Supplying 4mm thick plastic sheet with necessary niches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.                                                                                                                                                                                                                                                                                                                  | 2280 | 0.25   | Sq cms | 570.00  |
| 7  | 17/3.1<br>1.2 | Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size .....mm conduit using necessary machine screws.110mm                                                                                                                                                                                                                                                                                                                               | 10   | 11.00  | Nos    | 110.00  |
| 8  | 183.1<br>5.A  | Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 6Amps SP Switch                                                                                                                                                                                                                                                                                                                                                       | 10   | 35.00  | Nos    | 350.00  |
|    |               | 3)6Amps 3 way 5 pin Socket                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8    | 53.00  | Nos    | 424.00  |
|    |               | 12)32 Amps Bakelite DP                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2    | 156.00 | Nos    | 312.00  |
| 9  | 45/6.7<br>.2  | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32Amps                                                                                                                                                                                                                                                                                                                                            | 2    | 180.00 | Nos    | 360.00  |
| 10 | 47/6.1<br>6.1 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.5-32Amps SP                                                                                                                                                                                    | 2    | 418.00 | Nos    | 836.00  |
|    |               | 3)5-32 Amps DP                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | 849.00 | Nos    | 849.00  |
| 11 | 55/7.4<br>.4  | Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm                                                                                                                         | 25   | 140.40 | Mtrs   | 3510.00 |
| 12 | 61/7.8<br>.7  | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 25 sqmm to 75 sqmm                                                                                                                                                                                                                                                                                                         | 25   | 34.80  | Mtrs   | 870.00  |
| 13 | 49/6.4        | Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG | 8550 | 0.33   | Sq cms | 2821.50 |

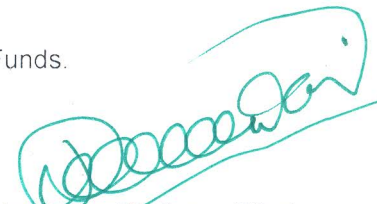
|    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |     |                 |
|----|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|-----|-----------------|
| 14 | 20/4.6         | Supplying patti type fluorescent tube light fitting of 4' - suitable for 28 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC. Supply including T5 lamp.                                                                                                                                                                                                                                      | 4    | 669.00  | Nos | 2676.00         |
| 15 | 9.3.1          | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm) Regular model                                                                                                                                                                                                                                                                                                      | 4    | 2376.00 | Nos | 9504.00         |
| 16 | 108/1<br>7.7.1 | Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.<br>On wall / ceiling / Rafter / Girders                                                                                                                                                                                                                                                                       | 4    | 08.00   | Nos | 392.00          |
| 17 | 109/1<br>7.8   | Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.                                                                                                                                                                                                                                                                          | 4    | 139.00  | Nos | 556.00          |
| 18 | 55/7.1         | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia | 1.00 | 2727.00 | Nos | 2727.00         |
|    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |     | 43.25           |
|    |                | <b>Total Rs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |     | <b>44500.00</b> |

TECHNICALLY SANCTIONED FOR Rs. 44,500.00  
 Rupees Forty Four Thousand Five Hundred only  
 Order p. 1731. Zone works  
 pon - works  
 Registered as EE (139.00) Add. Nos. 556.00 9  
 Subject to conditions contained in enclosed memo EE ( ) No. Add/YMK/AS/1137/1415  
 02.09.2014-15 Estimate A/ Sanctioned  
 EE/EE/Y2/TS/01/17-18 No.  
 Dated 15.06.2017 Rs. 44,500.00  
 Executive Engineer

Certificate

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2010-11.

  
 Jr/Asst. Engineer (Elec)

  
 Asst. Exe Engineer (Elec)  
 Yalahanka zone  
 Bruhat Bangalore Mahanagara Palike

  
 EXECUTIVE ENGINEER (ELEC)  
 Yalahanka ZONE  
 BRUHAT BANGALORE MAHANAGARA PALIKE